CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1 and 3-19.
- After this Amendment: Claims 1, 3, and 7-19.

Non-Elected, Canceled, or Withdrawn claims: Claims 2, 4-6, and 20-25.

Amended claims: Claims 1, 7 and 13.

New claims: None.

Claims:

1. (Currently Amended) A method for stylizing video, comprising:

performing a spatio-temporal segmentation analysis on the video to identify three dimensional volumes of contiguous pixels having a similar color;

receiving an interactive user input identifying a group of the three dimensional volumes, wherein the three dimensional volumes of contiguous pixels comprise segments, wherein the interactive user input comprises outlining a plurality of segments; and

identifying the group of three dimensional volumes as a single semantic region.

2. (Canceled)

3. (Original) The method of claim 1, wherein the spatio-temporal segmentation analysis comprises an anisotropic kernel mean shift segmentation procedure.

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Currently Amended) The method of claim [[6]] 1, wherein the outlining is performed on a number of keyframes of the video, the number of keyframes being fewer than a total number of frames of the video.

8. (Original) The method of claim 7, wherein additional segments on frames of the video other than keyframes are identified by determining a relationship of the additional segments to the segments outlined on the keyframes.

9. (Original) The method of claim 8, wherein the relationship comprises at least a portion of the additional segments being enclosed by one or more of the segments outlined on the keyframes.

10. (Original) The method of claim 9, wherein the at least a portion comprises at least a majority of pixels of the additional segments.

11. (Original) The method of claim 1, further comprising applying a stylization to the single semantic region.

12. (Original) The method of claim 11, wherein the stylization comprises a mean shift technique.

13. (Currently Amended) A computer-readable medium having computer-executable instructions for stylizing video, the instructions comprising:

performing a spatio-temporal segmentation analysis on the video to identify three dimensional volumes of contiguous pixels having a similar color;

receiving an interactive user input identifying a group of the three dimensional volumes, wherein the three dimensional volumes of contiguous pixels comprise segments, wherein the interactive user input comprises outlining a plurality of segments; and

identifying the group of three dimensional volumes as a single semantic region.

14. (Original) The computer-readable medium of claim 13, wherein the instructions further comprise deriving a set of edge sheets that represent the surface of the single semantic region and associating the edge sheets with the semantic region.

15. (Original) The computer-readable medium of claim 14, further comprising rendering the edge sheets as a curve between the semantic region and another portion of the video.

16. (Original) The computer-readable medium of claim 14, wherein a thickness of the edge sheets is determined based on criteria associated with the single semantic region.

17. (Original) The computer-readable medium of claim 16, wherein the criteria comprises a position of the edge sheet relative to an arclength of the edge sheet.

18. (Original) The computer-readable medium of claim 16, wherein the criteria comprises a duration of existence of the semantic region in the video.

19. (Original) The computer-readable medium of claim 16, wherein the criteria comprises a movement of the semantic region in the video.

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Canceled)